

ABSTRACT

A fluid delivery device is provided which comprises a microchannel device for cutting out a certain amount of a sample from a micorochannel by controlling a valve opening. The fluid delivery device has a valve for controlling a flow of a fluid, comprising a flow channel for the fluid, and a valve in the flow channel, wherein the valve operates in accordance with a pressure difference between the upstream side and downstream side of the valve caused by the flow of the fluid through the flow channel, allowing the fluid to flow when the pressure difference is lower than a prescribed value P_0 , and intercepting the fluid not to flow when the pressure difference is P_0 or more.